

## AMENDMENTS TO THE CLAIMS

### *Listing of Claims:*

1-17. (Canceled)

18. (Previously Presented) A process to deactivate a halide-containing olefin oligomerization catalyst system and inhibit or limit the decomposition of the deactivated catalyst system during recovery of an olefin oligomerization product comprising the steps of:

- a) contacting an alcohol with an adsorbent capable of adsorbing water;
- b) forming an intermediate stream by contacting an olefin oligomerization reactor effluent stream which comprises olefin product(s), catalyst system, and heavies with the alcohol thereby deactivating the catalyst system; and
- c) separating the intermediate stream of step (b) into at least one olefin oligomerization product stream and at least one heavies stream;

wherein the separation comprises a distillation comprising a reboiler and material passed through the reboiler is maintained below about 190 °C, and

wherein said catalyst system comprises a chromium source, a pyrrole-containing compound and an alkylaluminum compound and wherein the alcohol is soluble in any portion of the reactor effluent stream.

19. (Canceled)

20. (Previously Presented) A process according to claim 18 wherein said reactor effluent stream comprises olefin product(s); the olefin oligomerization catalyst system; an organic diluent; one or more mono-olefins; and heavies.

21. (Original) A process according to claim 18 wherein the olefin oligomerization catalyst system comprises a halide compound and an alkylaluminum compound.

22-23. (Canceled)

24. (Original) A process according to claim 18 wherein the olefin oligomerization catalyst system comprises a halogenated alkylaluminum compound.

25. (Original) A process according to claim 18 wherein the olefin oligomerization catalyst system comprises a mixture of an alkylaluminum compound and a halogenated alkylaluminum compound.

26. (Canceled)

27. (Original) The process of claim 24 wherein the halogenated alkylaluminum compound is diethylaluminum chloride.

28. (Original) The process of claim 18 wherein the alcohol has a boiling point different from the olefin product in the reactor effluent stream.

29. (Previously Presented) The process of claim 18 wherein the alcohol has 6 or more carbon atoms per molecule.

30. (Original) The process of claim 18 wherein the alcohol is selected from the group of 1-hexanol, 3-hexanol, 2-ethyl-1-hexanol, 3-octanol, 1-heptanol, 2-heptanol, 3-heptanol, 4-heptanol, 2-methyl-3-heptanol, 1-octanol, 2-octanol, 4-octanol, 7-methyl-2-decanol, 1-decanol, 2-decanol, 3-decanol, 4-decanol, 5-decanol, 2-ethyl-1-decanol, and mixtures thereof.

31. (Original) The process of claim 18 wherein the alcohol is selected from the group of diols and polyols.

32-34. (Canceled)

35. (Previously Presented) The process of claim 18 wherein material passed through the reboiler is maintained below 175°C.

36. (Previously Presented) The process of claim 18 wherein the distillation process includes at least two distillation stages.

37-50. (Canceled)

51. (Original) The process of claim 18 wherein the alkylaluminum compound is a mixture of triethylaluminum and diethyl aluminum chloride, the alcohol is 2-ethyl-1-hexanol, and the olefin product comprises 1-hexene.

52. (Canceled)

53. (Currently Amended) The process of claim 18 wherein the olefin oligomerization product stream comprises one or more olefin trimers.

54-62. (Canceled)

63. (Previously Presented) A process of claim 18, wherein the separation comprises at least two distillation stages and material passed through each reboiler is maintained below about 190°C.

64-65. (Canceled)